***This old UMB job description was created between 2000 and 2014 and is being provided as a template or guide in the preparation of a current job description. The essential functions are general in nature and may not accurately depict the duties of a specific unit. Managers are encourage to update and provide specific duties that are applicable to work being performed in the unit.***

Job Title: **Health Physicist**

Job Family: Environmental Health & Safety Sub Family: Safety - Radiation

**Job Summary:**

The Health Physicist implements programs of field work, inspections, research, data collection, and training related to the possession and use of radioactive materials and radiation producing devices for the Environmental Health and Safety department.

**Essential Functions:**

* Manages a radiation dosimetry program that includes assignment and delivery of dosimeters, maintenance of the dosimetry database, ALARA investigations, dosimetry vendor liaison, dose reconstructions, and medical x-ray procedure and time analysis.
* Performs safety inspections of radiation facilities and machines such as medical and dental x-ray, in campus and partner institutions to evaluate compliance with state and federal regulations, contamination and control measures, and personal exposure.
* Performs environmental surveys such as air monitoring and analysis; monitors personnel for radioactive exposure and calibrates/maintains relevant instrumentation.
* Participates in the development and implementation of the campus radiation safety program by drafting radiation safety policies, procedures, and technical correspondence. Assist with maintenance of a comprehensive radiation producing machine inspections.
* Provides consultation and training to the university community regarding the safe and legal handling and evaluation of radioactive materials and radiation producing machines. Develops and conducts safety training for physicians, and medical staff.
* Prepares detailed reports and recommendations on radiation safety management issues, cost containment recommendations, program development, and the control of radiological health hazards.
* Maintains permit, inventory, training, and inspection databases related to radiation safety program.
* Assists with the daily activities of the radiation safety staff to include receipt and issue of radioactive materials, evaluations of dosimetry data, radiation safety audits, and limited scale response to accidental release of radioactive materials.
* Performs other duties as assigned.

**Minimum Qualifications**

Education: Bachelors health physics, medical physics, or physics

Experience: Three (3) years environmental, heath, and safety

Supervisory:

Licensure/Certification: Radiation-Producing Machine Inspector License preferred.

Other: No subsitution of experience for minimum education requirement.

**Knowledge, Skills, and Abilities**

*Managers may provide prefered knowledge, skills, and abilities as necessary.*

Job Code: E1106E

SOC Code: 192041 IPEDS: Computer

EEO6 Code: Professional State Code: 9546102

USM eCode: E40110 AAP Code: 3C